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Adam Ding(e ^a . <mark>感</mark> and Tomáš Párti ^{b, 認}	 Web cache optimization with nonlinear model using objec Computer Networks
^a KSVI, Charles University, Prague, Czech Republic ^P FJFI, Czech Technical University, Prague, Czech Republic	 Software-controlled cache coherence protocol for multic Information Processing Letters
Available online 23 November 1999. Abstract	 Measuring proxy performance with the Wisconsin Proxy Be Computer Networks and ISDN Systems
All Web caches must try to keep cached pages up to date avoid returning stale pages to users. In traditional distribu	* WebCaL a domain specific e with the master copies of tlasspagads; to eb caching uted systems terminology, the സ്റ്റ്സ്സ്സ് ക്രസ്സ്സ് cations
keeping cached pages up to date is called coherence. W caches, and argue that coherence techniques used for di satisfactory for Web caches. We survey techniques used coherence, including the popular "expiration mechanism"	istributed file system caches may not be by popular Web caches for earth at the probably originated in CEHN's
proxy http server. We discuss a number of problems with present several extensions to it which solve these proble the staleness of returned Web pages. We also discuss p. speculative techniques for keeping Web caches up to da	ms, reduce user wait times and decrease View Record in Scopus re-fetching and replication. more Cited By in Scopus (12)

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Vitae

Adam Dingle earned a B.S.E. in Computer Science from Princeton University in 1990 and a M.S. in Computer Science from the University of California at Berkeley in 1992. Since 1994 he has taught computer science at Charles University in Prague. His interests in computer science include programming languages, distributed systems and networks, especially the Internet. His research presently focuses on distributed caching for the World Wide Web.

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